

Harin

September 4, 1956

Dear Arnold:

I would appreciate getting your papers; I never did get them from Paris.

On the other side of the coin, I have a record of sending you a copy of "Cell genetics..." but here's another anyhow.

Ken has told me what an excellent job you've been doing on setting up the Biology curriculum at Rochester. I hope the University is going to give you a break now and let you have time to get back to your research. Sometime, I'd like to go over your ECR paper; there were some features I didn't understand, but it would take too long to do by letter -- but were you postulating a physiological effect to differentiate prospective "allogenic" from "autogenic" recipients; if so, did the effect have to be uniform in any one colony, but differ from one to the next? Wouldn't that mean some sort of heritable difference in cellular response? Now that it is generally appreciated how much excess DNA is absorbed, couldn't your result be interpreted as an effect of high "multiplicity" on the frequency of crossing-over of a given fragment. (This might almost be a Schultz-Steinberg effect, i.e., the extra exogenotes compete for a fairly uniform quota of cross-overs per cell!) It should not be too hard to test this, by ~~making~~ making reconstruction mixtures of recipient DNA in various doses plus a low-multiplicity level of your standard donor. I'm sorry to be so vague about this, but I don't have the paper here, and am just trying to recollect the details.

Larry Morse is giving the paper at the NYAS meeting: I hope you will contact him about it. (Address: Webb Bldg., U. of Col. Med. Ctr., Denver 20, Colo.)

By the way, congratulations!

(yours)

Yours sincerely,

Joshua Lederberg